

L1 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2002 ACS  
AN 1997:303591 CAPLUS  
DN 126:344747  
TI More uses for catalytic distillation  
AU Podrebarac, G. G.; Ng, F. T. T.; Rempel, G. L.  
CS Chem. Res. & Licensing, Pasadena, TX, 77507, USA  
SO CHEMTECH (1997), 27(5), 37-45  
CODEN: CHTEDD; ISSN: 0009-2703  
PB American Chemical Society  
DT Journal; General Review  
LA English  
AB A review, with 56 refs., of **catalytic distn.**, in which  
a heterogeneously catalyzed reaction and distn. of the products and  
reagents occur simultaneously within a distn. column. Advantages and  
disadvantages, applications of **catalytic distn.**  
(etherification, **hydration** of **olefins**, dehydration of  
alc., alkylation of benzene, esterification and hydrolysis, **olefin**  
oligomerization, hydrogenation, addn. of alcs. to aldehydes, addn. of  
amines to ketones), and catalyst structure are discussed.

(FILE 'HOME' ENTERED AT 18:42:50 ON 29 OCT 2002)

L1 FILE 'CAPLUS, USPATFULL' ENTERED AT 18:43:02 ON 29 OCT 2002  
12 S OLEFIN (P) HYDRAT? (P) CATALYTIC DISTILLATION

L2 FILE 'STNGUIDE' ENTERED AT 18:48:49 ON 29 OCT 2002  
0 S HYDRATION

L3 FILE 'CAPLUS, USPATFULL' ENTERED AT 18:55:26 ON 29 OCT 2002  
95412 S HYDRATION  
L4 3548 S L3 (L) OLEFIN  
L5 3548 S L4 (L) HYDRATION  
L6 35 S L5 (L) CATALYTIC DISTILLATION  
L7 33 S L6 AND ALCOHOL  
L8 3 S L7 AND HYDROPHOBIC  
L9 33 S L7 AND CATALYST  
L10 30 S L9 AND WATER  
L11 715589 S L10 AND VAPOUR OR VAPOR  
L12 25 S L10 AND VAPOR  
L13 1 S L10 AND VAPOUR  
L14 8 S L12 AND PROPENE  
L15 5 S L14 AND ISOPROPANOL